

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets

(11)

EP 0 947 190 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
10.05.2000 Bulletin 2000/19

(51) Int. Cl.': A61K 7/06

(43) Date of publication A2:
06.10.1999 Bulletin 1999/40

(21) Application number: 98402660.9

(22) Date of filing: 26.10.1998

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE
Designated Extension States:
AL LT LV MK RO SI

(30) Priority: 12.11.1997 JP 31081497

(71) Applicant: SHIN-ETSU CHEMICAL CO., LTD.
Chiyoda-ku Tokyo (JP)

(72) Inventors:
, Kuwata, Satoshi
Matsuda-machi, Usui-gun, Gunma-ken (JP)
, Hirai, Motohiko
Matsuda-machi, Usui-gun, Gunma-ken (JP)

(74) Representative:
Armengaud Aliné, Alain et al
Cabinet ARMENGAUD AINE
3 Avenue Bugeaud
75116 Paris (FR)

(54) Hair-care composition

(57) Disclosed is a hair-care treatment toiletry composition, such as hair shampoo and hair rinse compositions, capable of imparting excellent smoothness and pliability as well as an adequate moisturized touch feeling to the hair treated therewith. The hair-care treatment toiletry composition contains, as the

characteristic ingredient in addition to the usual ingredients acceptable as constituents of a hair-care treatment toiletry composition, a specified amount of a specific morpholino-modified diorganopolysiloxane, e.g., a dimethylpolysiloxane substituted by 3-morpholinopropyl groups for a part of the methyl groups as bonded to the silicon atoms in the organopolysiloxane molecules.

EP 0 947 190 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.CI)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
P, A	EP 0 834 300 A (BASF AG) 8 April 1998 (1998-04-08) * the whole document *	1	A61K7/06
A	US 5 374 420 A (T. GERSTEIN) 20 December 1994 (1994-12-20) * claims 1,5 *	1	
TECHNICAL FIELDS SEARCHED (Int.CI)			
A61K			
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	16 March 2000	Glikman, J-F	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

EP 0 947 190 A3

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 98 40 2660

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

16-03-2000

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 834300	A	08-04-1998		DE 19639669 A		02-04-1998
				CA 2215131 A		27-03-1998
				JP 10109926 A		28-04-1998
				US 6007801 A		28-12-1999
US 5374420	A	20-12-1994		NONE		

EPO FORM 10059

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82